Kathir College of Engineering

Wisdom Tree, Avinashi Road, Neelambur, Coimbatore 641062

Criteria-7
Institutional Values and Best Practices

Sub Criteria 7.2
Best Practices

7.2.1: Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Kathir College of Engineering

[Approved by AICTE |Affiliated to Anna University | Accredited by NAAC]

Wisdom Tree, Neelambur, Avinashi Road, Coimbatore-62

INDEX

Best Practice III

Title

Implementation of daily class test hour for slow learners with extra learning needs to improve their learning outcomes

Objectives

- To aid students identified as slow learners to improve their learning outcomes and performance in CIE (Continuous Internal Evaluation) and ESE (End Semester Examination)
- To improve institute's pass percentage among affiliating university's non-autonomous affiliated colleges

The Context

- The end semester examinations (ESE) performance of students is seriously viewed both by enrolled students and their parents. Students differ in their learning – the common aspect being the pace at which they learn.
- Slow learners need extra attention, effort and time both from the students and the faculty members
- Slow learners contribute to the decline in pass percentage of the institute which needs to be addressed
- Bringing slow learners to speed with the other learners builds their capacity, and confidence

The Practice

- The institute identified the first period of every day time table as test hour for slow learners
- The topics for the test were informed to students a day prior to the test
- The test papers were valued and the answer scripts with marks were given back to students the next day.
- The students who did not pass the test were given extra course inputs, and foundational concepts to strengthen their comprehension of the topics of the test.
- The students who did not pass in the test were asked to give a re-test on the 3rd day from the day of the original test

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

Evidence of Success

- The practice of giving tests everyday enabled students to revise their lessons everyday which resulted in improving their performance in internal tests, and end semester examinations.
- The practice improved the learning capacity and confidence
-

Problems Encountered and Resources Required

- Additional attention, effort, and time required
- The practice requires close monitoring, encouragement by class advisors, subject handling faculty to give the tests, re-tests everyday
- Additional coaching by faculty members.required students, faculty members to stay back after normal working hours in some instances and necessitated arrangements for extra college buses for transportation.

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

B.E./B.Tech. DEGREE PROGRAMMES
NON-AUTONOMOUS AFFILIATED COLLEGES

Sl. No.	TNEA Code	Name of the College	District	No. of Students Appeared	No. of Students Passed	Percentage of Pass
309	2705	CSI COLLEGE OF ENGINEERING	THE NILGIRIS	1086	265	24.40
310	2745	KATHIR COLLEGE OF ENGINEERING	COIMBATORE	963	235	24.40
311	2713	M P NACHIMUTHU M JAGANATHAN ENGINEERING COLLEGE	ERODE	1612	393	24.38
312	1439	S R I COLLEGE OF ENGINEERING AND TECHNOLOGY	THIRUVANNAMALAI	291	70	24.05
313	2732	INFO INSTITUTE OF ENGINEERING	COIMBATORE	1069	256	23.95
314	2721	TAMILNADU COLLEGE OF ENGINEERING	COIMBATORE	1251	299	23.90
315	3016	UNIVERSITY COLLEGE OF ENGINEERING, ARIYALUR	ARIYALUR	947	223	23.55
316	1150	SRI JAYARAM INSTITUTE OF ENGINEERING AND TECHNOLOGY	THIRUVALLUR	272	64	23.53
317	1157	SHRI SITHESWARAR ENGINEERING COLLEGE	VELLORE	68	16	23.53
318	4938	SIVAJI COLLEGE OF ENGINEERING AND TECHNOLOGY	KANYAKUMARI	422	99	23.46
319	2714	MAHARAJA ENGINEERING COLLEGE	TIRUPPUR	454	106	23.35
320	4675	UNIVERSAL COLLEGE OF ENGINEERING AND TECHNOLOGY	THIRUNELVELI	671	156	23.25
321	3821	A R J COLLEGE OF ENGINEERING AND TECHNOLOGY	THIRUVARUR	422	98	23.22
322	1125	PMR ENGINEERING COLLEGE	THIRUVALLUR	69	16	23.19
323	4989	PSN ENGINEERING COLLEGE	THIRUNELVELI	762	176	23.10
324	4961	NATIONAL COLLEGE OF ENGINEERING	THIRUNELVELI	750	173	23.07
325	4670	ROHINI COLLEGE OF ENGINEERING & TECHNOLOGY	KANYAKUMARI	1863	426	22.87
326	2753	PPG INSTITUTE OF TECHNOLOGY	COIMBATORE	770	175	22.73
327	3403	MAHALAKSHMI ENGINEERING COLLEGE	TIRUCHIRAPPALLI	159	36	22.64
328	1413	SRI VENKATESWARAA COLLEGE OF TECHNOLOGY	KANCHEEPURAM	240	54	22.50
329	3918	SHANMUGANATHAN ENGINEERING COLLEGE	PUDUKOTTAI	918	206	22.44
330	5017	UNIVERSITY COLLEGE OF ENGINEERING, RAMANATHAPURAM	RAMANATHAPURAM	996	223	22.39
331	3459	DHANALAKSHMI SRINIVASAN INSTITUTE OF TECHNOLOGY	TIRUCHIRAPPALLI	1224	272	22.22
332	1107	JAYA INSTITUTE OF TECHNOLOGY	THIRUVALLUR	117	26	22.22
333	3920	SUDHARSAN ENGINEERING COLLEGE	PUDUKOTTAI	807	179	22.18
334	2647	J K K NATARAJA COLLEGE OF ENGINEERING AND TECHNOLOGY	NAMAKKAL	908	200	22.03
335	2627	SELVAM COLLEGE OF TECHNOLOGY	NAMAKKAL	1557	342	21.97
336	2624	GNANAMANI COLLEGE OF TECHNOLOGY	NAMAKKAL	2555	558	21.84

Dr. K. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 06

B.E./B.Tech. DEGREE PROGRAMMES
NON-AUTONOMOUS AFFILIATED COLLEGES

Sl. No.	TNEA Code	Name of the College	District	No. of Students Appeared	No. of Students Passed	Percentage of Pass
309	1212	RAJIV GANDHI COLLEGE OF ENGINEERING	KANCHEEPURAM	1178	386	32.77
310	4984	MARTHANDAM COLLEGE OF ENGINEERING AND TECHNOLOGY	KANYAKUMARI	696	228	32.76
311	2761	UNITED INSTITUTE OF TECHNOLOGY	COIMBATORE	1514	489	32.30
312	4970	SREE SOWDAMBIKA COLLEGE OF ENGINEERING	VIRUDHUNAGAR	810	261	32.22
313	2342	SRI RANGANATHAR INSTITUTE OF ENGINEERING & TECHNOLOGY	COIMBATORE	783	252	32.18
314	2641	VARUVAN VADIVELAN INSTITUTE OF TECHNOLOGY	DHARMAPURI	1073	345	32.15
315	3918	SHANMUGANATHAN ENGINEERING COLLEGE	PUDUKOTTAI	903	290	32.12
316	5935	FATIMA MICHAEL COLLEGE OF ENGINEERING AND TECHNOLOGY	MADURAI	683	219	32.06
317	1116	SRI VENKATESWARA COLLEGE OF ENGINEERING AND TECHNOLOGY	THIRUVALLUR	1096	351	32.03
318	3860	ST.ANNE'S COLLEGE OF ENGINEERING AND TECHNOLOGY	CUDDALORE	612	195	31.86
319	3829	M.A.M. COLLEGE OF ENGINEERING AND TECHNOLOGY	TIRUCHIRAPPALLI	1261	399	31.64
320	2732	INFO INSTITUTE OF ENGINEERING	COIMBATORE	1059	335	31.63
321	4987	JAMES COLLEGE OF ENGINEERING AND TECHNOLOGY	KANYAKUMARI	662	209	31.57
322	2721	TAMILNADU COLLEGE OF ENGINEERING	COIMBATORE	1233	389	31.55
323	1426	SRI RAMANUJAR ENGINEERING COLLEGE	KANCHEEPURAM	1101	346	31.43
324	4677	LOURDES MOUNT COLLEGE OF ENGINEERING AND TECHNOLOGY	KANYAKUMARI	401	126	31.42
325	2716	PARK COLLEGE OF ENGINEERING AND TECHNOLOGY	COIMBATORE	1650	518	31.39
326	3462	ARIYALUR ENGINEERING COLLEGE	ARIYALUR	575	179	31.13
327	3822	DR.NAVALAR NEDUNCHEZHIYAN COLLEGE OF ENGINEERING	CUDDALORE	474	147	31.01
328	2769	J C T COLLEGE OF ENGINEERING AND TECHNOLOGY	COIMBATORE	1900	584	30.74
329	2745	KATHIR COLLEGE OF ENGINEERING	COIMBATORE	941	289	30.71
330	3845	IMAYAM COLLEGE OF ENGINEERING	TIRUCHIRAPPALLI	707	217	30.69
331	1243	MADHA INSTITUTE OF ENGINEERING AND TECHNOLOGY	KANCHEEPURAM	226	69	30.53
332	2730	MAHARAJA INSTITUTE OF TECHNOLOGY	COIMBATORE	43	13	30.23
333	5922	VICKRAM COLLEGE OF ENGINEERING	SIVAGANGA	556	168	30.22
334	1434	SURYA GROUP OF INSTITUTIONS	VILLUPURAM	795	240	30.19
335	4978	UDAYA SCHOOL OF ENGINEERING	KANYAKUMARI	769	232	30.17
336	2355	CHERAN COLLEGE OF ENGINEERING	KARUR	578	174	30.10

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

Best Practice IV

Title

Organize Product of Products exhibitions and Science Day exhibitions to showcase student innovations, projects, and inventions to encourage an entrepreneurial attitude among students

Objectives

- To foster entrepreneurial thinking, creativity and innovation by engaging students in producing and showcasing their product innovations, projects and inventions
- To inculcate entrepreneurial mindset and develop a sense of getting prepared to be an entrepreneur in the medium term or long-term

The Context

- The prescribed curriculum provides for limited development of entrepreneurial attitude through fabrication and showcasing of student innovation, projects, and inventions
- There is a need to make the students present their ideas in a tangible form to engage all the elements of their cognition
- The student's academic performance should be supported by development of skills in developing prototypes, kits that demonstrate application of concepts, tools learnt
- India's industrial and educational policies have progressively emphasized the need for India's youth to actively engage in starting ventures of their own with incubator support of selected higher education institutions

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

The Practice

- Every year a Product of Products exhibition and Science Day exhibitions have been conducted involving the students of Kathir College of Engineering and school students from the Coimbatore Education District
- The exhibited hardware kits, presentations were evaluated by faculty members, and industry experts
- The selected ideas, kits were awarded with certificates and awards

Evidence of Success

- The Product of Products show and Science Day exhibitions were well received by Kathir College of Engineering students and school students
- The events had encouraging registrations and demonstrations of the students' ideas, and kits

Problems Encountered and Resources Required

- The planning of the event involved ensuring ready availability of transportation of school students and their kits
- The event needs active promotion among both the institute's undergraduate students and among the schools as well as the engagement of the trustees of the college in utilizing their good offices to ensure participation of school students

Dr. K. UDAIYAKUMAR, ME.,Ph D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.

1. Product of Products event inauguration

Dr. R. UDAIYAKUMAR, ME.,Ph.D.,
Principal
Kathir College of Engineering
"Wisdom Tree" Avinashi Road,
Neelambur,Coimbatore - 641 062.